

Claims:

- 1) A method for the production of transparent phthalocyanine pigments, which comprises comminuting a crude phthalocyanine pigment using an eccentric
5 vibration mill having at least one milling container mounted on vibratory elements and having an energizer unit fastened rigidly to the milling container, the energizing taking place eccentrically to one side and outside the gravitational axis and the center of gravity of the milling container, so that inhomogeneous vibrations consisting of circular, elliptical, and linear vibrations are generated.
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- 2) The method as claimed in claim 1, wherein the phthalocyanine pigment is a copper phthalocyanine.
- 3) The method as claimed in claim 1 or 2, wherein the phthalocyanine is
15 substituted by up to 16 halogen atoms.
- 4) The method as claimed in at least one of claims 1 to 3, wherein the phthalocyanine is C.I. Pigment Blue 15, 15:0, 15:1, 15:2, 15:3, 15:4, 15:6 or 16; C.I. Pigment Green 7, 36 or 37.
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- 5) The method as claimed in at least one of claims 1 to 4, wherein the transparent phthalocyanine pigment has a BET surface area of more than $20 \text{ m}^2/\text{g}$.
- 25 6) The method as claimed in at least one of claims 1 to 5, wherein said comminuting is carried out at a temperature between 0 and 150°C .
- 7) The method as claimed in at least one of claims 1 to 6, wherein said
30 comminuting is carried out in the presence of alkali metal salts or alkaline earth metal salts.

- 8) The method as claimed in at least one of claims 1 to 7, wherein said comminuting is carried out in the presence of 0 to 15% by weight, based on the crude pigment, of organic solvent.
- 5 9) The method as claimed in at least one of claims 1 to 8, wherein said comminuting is carried out in the presence of auxiliaries from the group of surfactants, dispersants, fillers, standardizers, resins, waxes, defoamers, antistats, antidust agents, extenders, shading colorants, preservatives, drying retardants, rheology control additives, wetting agents, antioxidants, UV absorbers, light
- 10 stabilizers, or a combination thereof.
- 10) The method as claimed in at least one of claims 1 to 9, wherein following said comminuting a solvent finish is carried out.